



**TELEDYNE CONTROLS**

*SBU of Teledyne Electronic Technologies*

A Teledyne Technologies Company

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# Wireless GroundLink™



## Vehicle Recorder TOPTEC® Symposium

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# The System - What Does it Offer?

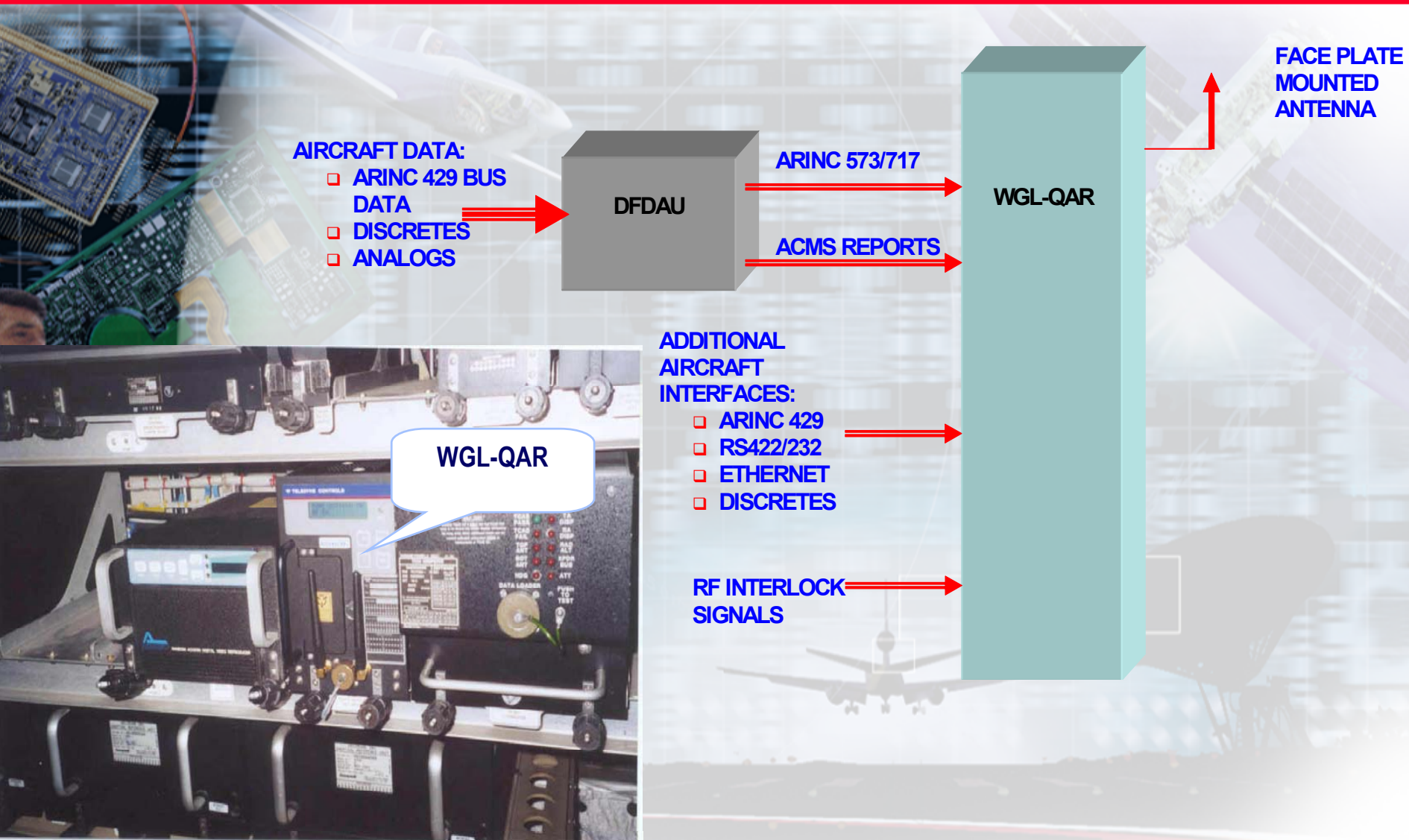
- ◆ Continuous data recording on the aircraft
- ◆ Retrieve QAR data from aircraft without human involvement - timely availability of data for processing
- ◆ Data Delivered over the Internet world wide
- ◆ Uses existing Cellular & Internet infrastructure –
  - no investment in infrastructure
  - Network maintained by service providers - infrastructure kept updated to new technology by service providers
- ◆ All data encrypted – secure communication
- ◆ Data review and analysis tools



# GroundLink™ Overview

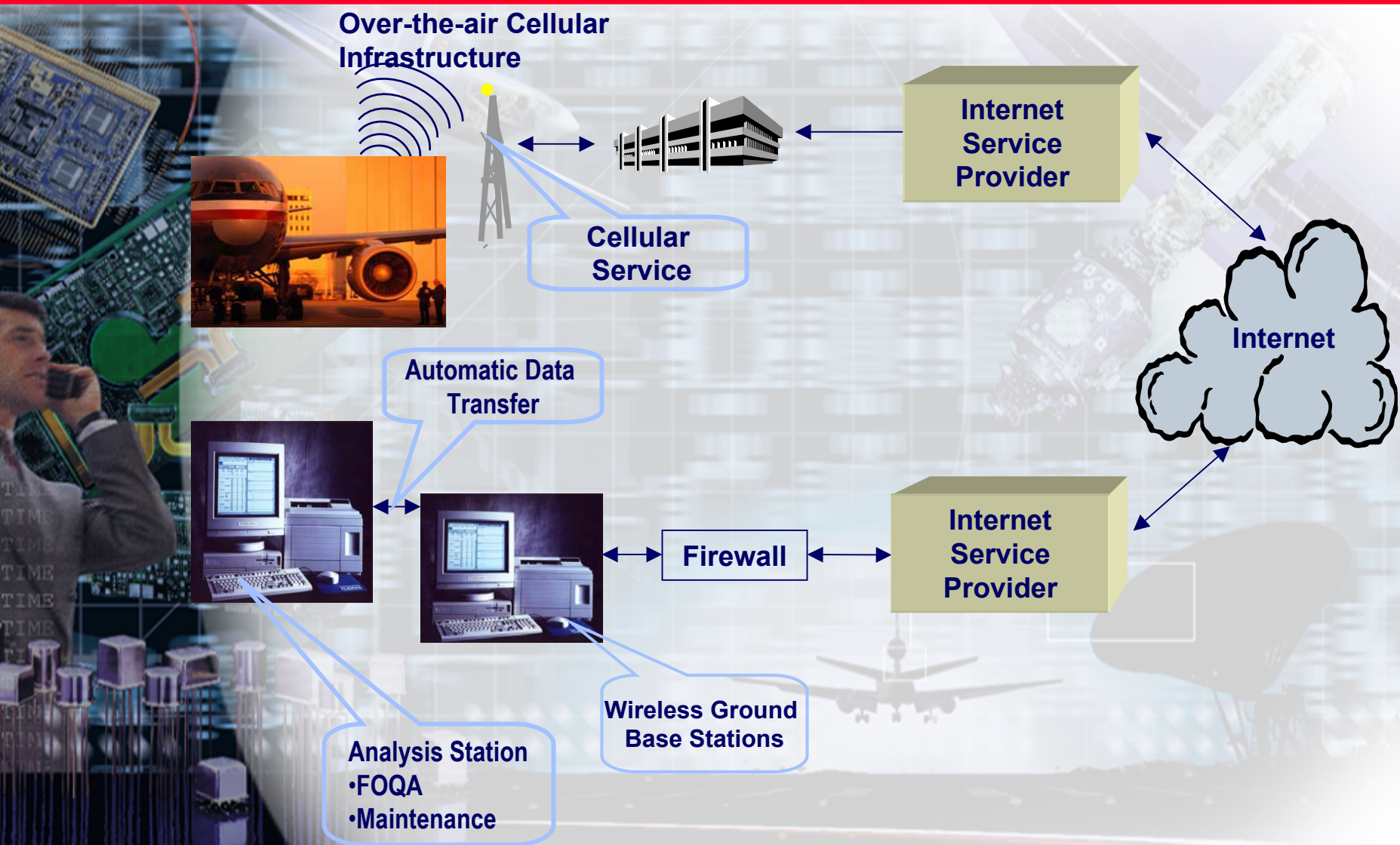
- ◆ Solid State QAR Replacement - Media up to 440MB+
  - ◆ Records ARINC 717/573 outputs from DFDAU
  - ◆ Records ACMS generated reports & data from DMU/DFDMU/MFDAU etc.
- ◆ Can record additional parameters via RS232/422/485, and ARINC 429 Ports
- ◆ Recording Rates: From 64 to 1024 wps
- ◆ Outputs:
  - ◆ PCMCIA removable media
  - ◆ Cellular radio transmission - simultaneous use of up to eight Full Duplex Radios

# WGL-QAR On-board Interconnect





# Network Topology



# Data Review and Analysis Tool - AirFASE®

**PFD**

## Flight Visualization

## Plot & List



## Event Detection

## Statistical Reporting

